JP AVIONICS

EXTERNAL POWER UNIT

FOR GENERAL AVIATION AIRCRAFT

USER MANUAL (DUAL VOLTAGE DELUXE)

Power your avionics with this portable and yet powerful external power unit (EPU). It gives you or your customer time to familiarize yourself with the latest avionics and testing aircraft electrical systems. No need to drain your expensive airplane battery. This deluxe EPU will power avionics and aircraft systems on both 12 Volt and 24 Volt aircraft

Before connection the EPU:

- Make sure you locate the EPU where the unit stays dry at all times. The EPU should not be used outside during rain or snow conditions. ***Make sure the aircraft is in a safe state to apply electrical power.***

Connecting the EPU:

- Check if the aircraft has a 12 or 24 Volt system. Use the correct gray connector on the EPU to connect the extension cable. The upper one is to be used and marked for 12 Volt aircraft, the lower one is to be used and marked for 24 Volt aircraft. Use the correct adapter for connecting the aircraft external power connector to the grey connector of the extension cable. ***The exact same kind of plugs are used for both 12 and 24 Volt aircraft. You're unable to tell the aircraft system voltage by plug style! If unsure about the aircraft system voltage, do not connect and consult owner.***

- Check if the switch on the EPU is in OFF position. Plug in the mains connection. You can use any mains system with an voltage between 100-250 Volt AC (50-60 Hz). An adapter has to be used in some countries.

Using the EPU:

- Recheck if you have used the correct connection on the EPU, if correct switch the switch on the EPU to the voltage required for this aircraft. Only one plug at a time will be powered. The output will turn on and the green POWER LED for the selected voltage will turn on. The red FAIL light is discussed at problems. ***Note:*** It's normal for the red FAIL LED to come on when switching the unit off. Switch the EPU switch to the OFF position when external power is no longer required.

- Use the EPU only for powering your avionics or aircraft systems. Keep in mind the allowable current drain. ***NEVER use the EPU to start the aircraft engine! Damage to the EPU might occur.***

Problems:

- The EPU has build in temperature and voltage monitor and protection systems. The power supply will switch off when voltage or temperature goes out of tolerance. This situation will be indicated by the red FAIL LED on the front panel.
  Note: It's normal for the red FAIL LED to come on when switching the unit off.

Specifications:

Model	EPU DV3050
Output voltage:	13 Volt DC AND 26 Volt DC
Output current:	50 Amp. Max at 13 Volt 30 Amp. Max at 26 Volt
Mains input voltage:	100 – 250 Volt AC (50-60 Hz)
Dimensions:	495 x 365 x 180 mm
Weight :	15 kg
Annunciator:	Power / Fail LED
Connector :	Exchangeable